

Fig. 1

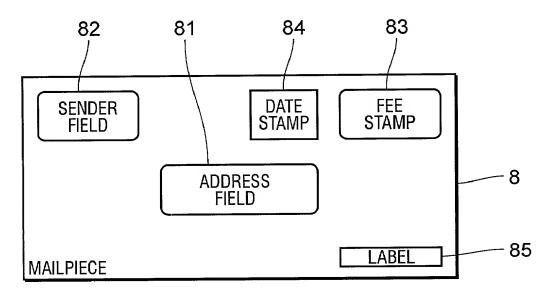


Fig. 2

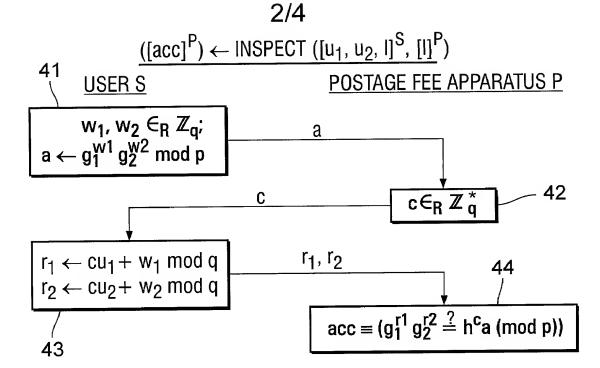


Fig. 3

(s) 
$$\leftarrow$$
 indicium (A, B,  $\alpha$ ,  $\beta$ , (z, a, b, r), rcpt, d/t)

## **USER S**

$$c \leftarrow \mathcal{X}(A, B, z, a, b, r, rcpt, d/t)$$
  
 $s = (s_1, s_2, s_3), \text{ wherein } s_i \leftarrow \alpha_i + c\beta_i \text{ für } i = 1,2,3$ 

Fig. 5

$$(u_1, u_2)$$
 IDENTIFY DS  $(c_1, s_1, c_2, s_2)$ 

## **INSPECTION UNIT**

$$\begin{array}{c} u_{1} \leftarrow \begin{array}{c} \frac{s_{11} \; (c_{2} - 1) \; + \; s_{21} \; (1 - \; c_{1})}{s_{13} \; (c_{2} - 1) \; + \; s_{23} \; (1 - \; c_{1})} \; \; \text{mod} \; q \\ \\ u_{2} \leftarrow \begin{array}{c} \frac{s_{12} \; (c_{2} - 1) \; + \; s_{22} \; (1 - \; c_{1})}{s_{13} \; (c_{2} - 1) \; + \; s_{23} \; (1 - \; c_{1})} \; \; \text{mod} \; q \end{array} \end{array}$$

Fig. 6

## $([A',B',\alpha,\beta,\sigma']^S) \leftarrow DOWNLOAD([u_1, u_2, y, I], [x, I]^P)$

## POSTAGE FEE APPARATUS P

**USER S** 

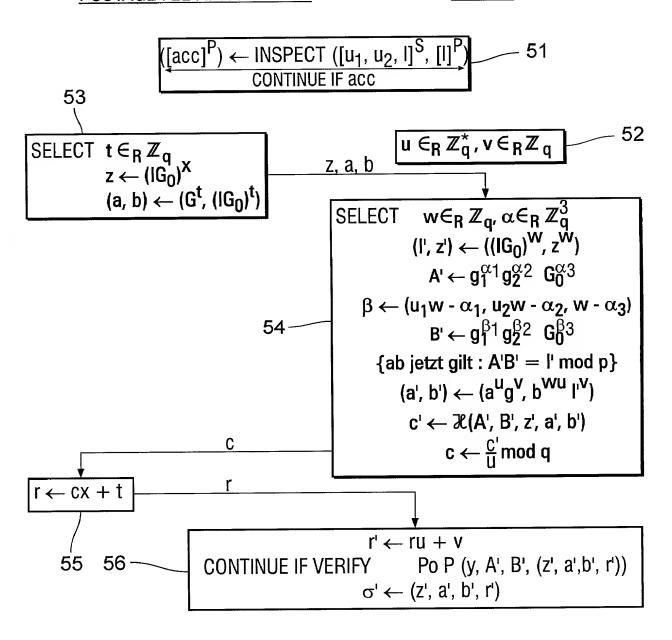


Fig. 4

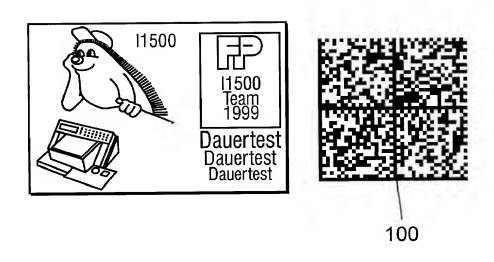


Fig. 7

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